

Appl. No. 10/828,745  
Amdt. dated February 16, 2007  
Reply to Office action of November 17, 2006

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### REMARKS/ARGUMENTS

Responsive to the final Office action dated November 17, 2006, applicants hereby amend the above application to more particularly point out and distinctly claim what they regard as their invention. More specifically, claim 31, the only independent claim in the application, has been amended to claim a system for measuring position of points fixed or slow-moving relative to each other and in close proximity. Claim 31 has further been amended to specify that the position solution processor utilizes signals from at least three satellites, at least one of which is received by a first antenna and not by a second antenna. Still further, the position solution processor utilizes input signals from a clock and an orientation device.

The Geier U.S. 5,202,829 reference discloses a pseudo range (PR) positioning system for shipboard GPS positioning relative to outlying tailbuoys equipped with GPS receivers. However, Geier '829 does not disclose an orientation device adapted for determining a relative orientation of a system based on the locations of antennas relative to each other, or the additional claimed features of first and second antennas positioned in known locations relative to each other.

Rorabaugh was cited under 35 U.S.C. 102(e) for determining positions of mobile communications devices relative to each other, such as a group of individuals in an urban environment where GPS signals to some members of the group would be blocked or attenuated. However, claim 31 is distinguishable because the points are in close proximity, the antennas have known locations relative to each other, an orientation device is provided and the position solution processor utilizes input signals from an orientation device.

Based on the foregoing, claim 31 is in condition for allowance and notice to this effect is earnestly solicited.

The examiner is invited to contact the undersigned by telephone if prosecution of this application can be expedited thereby.

I hereby certify that this paper is being filed by  
facsimile transmission (571-273-8300) with the  
U.S. Patent and Trademark Office.

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Respectfully Submitted,

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